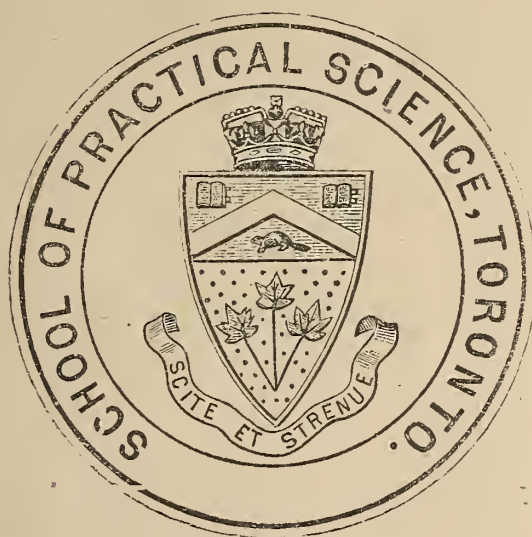


SCHOOL OF PRACTICAL SCIENCE,

PROVINCE OF ONTARIO.

CLASS LIST,

1893.



TORONTO:

PRINTED BY WARWICK & SONS, 68 AND 70 FRONT STREET WEST.
1893.

FACULTY OF THE SCHOOL.

J. GALBRAITH, M.A., M. CAN. SOC. C.E., PRINCIPAL.

MEMBERS OF THE COUNCIL.

J. GALBRAITH, M.A., M. CAN. SOC. C.E., *Professor of Engineering (Chairman).*
W. H. ELLIS, M.A., M.B. *Professor of Applied Chemistry.*
A. P. COLEMAN, M.A., PH. D. *Professor of Assaying and Metallurgy.*
L. B. STEWART, P.L.S., D.T.S. *Lecturer in Surveying (Secretary).*
C. H. C. WRIGHT, B.A., Sc. *Lecturer in Architecture.*
T. R. ROSEBRUGH, M.A., GRAD. S.P.S. *Lecturer in Electrical Engineering.*

ASSISTANT INSTRUCTORS.

J. A. DUFF, B.A., GRAD. S.P.S. *Fellow in Civil Engineering.*
E. B. MERRILL, B.A., GRAD. S.P.S. *Fellow in Mechanical Engineering.*
A. LANE, GRAD. S.P.S. *Fellow in Surveying.*
W. E. BOUSTEAD, GRAD. S.P.S., B.A., Sc. *Fellow in Metallurgy and Assaying.*
R. W. ROSS, M.A. *Fellow in Analytical and Applied Chemistry.*

MEMBERS OF THE FACULTY OF THE UNIVERSITY OF TORONTO WHOSE CLASSES ARE
ATTENDED BY THE REGULAR STUDENTS OF THE SCHOOL.

JAMES LOUDON, M.A. *President and Professor of Physics.*
E. J. CHAPMAN, PH. D., LL.D. *Professor of Mineralogy and Geology.*
R. RAMSAY WRIGHT, M.A., B. Sc. *Professor of Biology.*
W. H. PIKE, M.A., PH. D. *Professor of Chemistry.*
ALFRED BAKER, M.A. *Professor of Mathematics.*
A. B. MACALLUM, B.A., M.B., Ph. D. *Professor of Physiology.*
W. J. LOUDON, B.A. *Demonstrator in Physics.*
C. A. CHANT, B.A. *Lecturer in Physics.*
J. C. McLENNAN, B.A. *Assistant Demonstrator in Physics.*
ALFRED T. DeLURY, B.A. *Lecturer in Mathematics.*
W. L. MILLER, B.A., PH. D. *Demonstrator in Chemistry.*
J. W. ODELL, B.A. *Fellow in Mathematics.*
G. F. HULL, B.A. *Fellow in Physics.*

HONOR LIST AND PRIZEMEN.

FIRST YEAR.

F. W. GUERNSEY.....	Civil Engineering.
W. W. MEADOWS	"
GEO. BREBNER.	Mechanical and Electrical Engineering.
W. M. BRODIE.....	"
H. L. MCKINNON	"
A. H. HARKNESS.....	Architecture.

SECOND YEAR.

A. E. BERGEY	Civil Engineering.
J. CHALMERS.....	"
R. W. ANGUS	Mechanical and Electrical Engineering.
H. E. JOB	"
W. MINTY	"
J. A. EWART.....	Architecture.

THIRD YEAR.

L. C. CHARLESWORTH.....	Civil Engineering.
W. J. FRANCIS.....	"
A. J. MCPHERSON.....	"
F. N. SPELLER	"
R. B. WATSON	"
A. R. GOLDIE	Mechanical and Electrical Engineering.
J. M. ROBERTSON	"
H. F. BALLANTYNE.....	Architecture.
W. FINGLAND.....	"
J. KEELE	"

PRIZEMEN.

DEPARTMENT OF ARCHITECTURE.

First year A. H. HARKNESS.

SCHOOL OF PRACTICAL SCIENCE.

DEPARTMENTS OF—

- I. CIVIL ENGINEERING (INCLUDING SANITARY ENGINEERING).
- II. MECHANICAL AND ELECTRICAL ENGINEERING.
- III. MINING ENGINEERING.
- IV. ARCHITECTURE.
- V. ANALYTICAL AND APPLIED CHEMISTRY.

REGULAR STUDENTS.

RESULT OF ANNUAL EXAMINATIONS, SESSION 1892-93.

I. YEAR.

DRAWING.	SURVEYING.	PRACTICAL CHEMISTRY.
1 Guernsey, F. W.	1 McKinnon.	1 { Clark.
2 Harkness, A. H.	2 Harkness.	1 { Hewett.
3 Campbell, R. J.	3 Meadows.	3 Brebner.
4 { Blachford, W. A.	4 Stocking.	4 Tremaine.
4 { Brebner, Geo.	5 Hudspeth.	5 { Brodie.
6 Blackwood, A. E.	6 Brown, R. M.	5 { Hudspeth.
7 Clark, J. T.	7 Guernsey.	7 Patterson.
8 Wood, H. T.	8 { Tye.	8 Guernsey.
9 Hewett, C. H.	8 { Brodie.	9 Brown, L. L.
10 Murray, D. B.	8 { Brown, L. L.	10 Hull.
11 Brown, L. L.	11 { Tremaine.	11 Harkness.
12 Tremaine, R. C. C.	11 { Elliott.	12 Stocking.
13 McKay, W. N.	13 Brebner.	13 Elliott.
14 Meadows, W. W.	14 { Blackwood.	14 { Gray.
15 { Brodie, W. M.	14 { Hewett.	14 { Smith.
15 { Stocking, F. T.	14 { McKay.	16 { Johnson.
15 { Patterson, G. E.	17 { Armstrong.	16 { Blackwood.
18 { McKinnon, H. L.	17 { Blachford.	18 McKinnon.
18 { Elliott, H. P.	17 { Hull.	19 Murray.
20 Hudspeth, W. S.	20 Patterson.	20 Campbell.
21 Johnston, Geo.	21 Wood.	21 Armstrong.
22 { Poussett, H. R.	22 Poussett.	22 { Meadows.
22 { Brown, R. M.	23 { Gray.	22 { Brown, R. M.
24 Tye, A. T.	23 { Clark.	24 Wood.
25 Gray, R. L.	25 { Johnson.	25 Blachford.
26 Hull, H. S.	25 { Murray.	26 { Tye.
27 Armstrong, J. C.		26 { McKay.
28 Smith, V. S.		28 Poussett.
	Campbell.	

I. YEAR.

FIELD NOTES.	STATICS.	DYNAMICS.
1 Guernsey.	1 Guernsey.	1 McKinnon.
2 Poussett.	2 Elliott.	2 Elliott.
3 Armstrong.	3 Tremaine.	3 Meadows.
4 Tye.	4 { Brebner.	4 Guernsey.
5 Meadows.	4 { Brown, L. L.	5 Patterson.
6 Campbell.	4 { McKinnon.	6 Blackwood.
7 Murray.	7 Blachford.	7 { Brodie.
8 { Clark.	8 Patterson.	7 { McKay.
8 { Harkness.	9 Brodie.	9 Hudspeth.
10 Johnson.	10 Meadows.	10 { Wood.
	11 Stocking.	10 { Brebner.
	12 McKay.	12 Harkness.
	13 Hudspeth.	13 Armstrong.
	14 { Armstrong.	14 { Tremaine.
	14 { Blackwood.	14 { Blachford.
	16 Harkness.	16 Tye.
	17 { Wood.	17 { Brown, L. L.
	17 { Campbell.	17 { Gray.
	19 Tye.	19 Stocking.
	20 Brown, R. M.	
	21 Hewett.	
	22 Murray.	
	23 Hull.	
	24 Johnson.	
	25 Poussett.	
	26 Gray.	
	27 { Clark.	
	27 { Smith.	
		Brown, R. M.
		Campbell.
		Clark.
		Hewett.
		Hull.
		Johnson.
		Murray.
		Poussett.
		Smith.

I. YEAR.

DESCRIPTIVE GEOMETRY.	ELEMENTARY CHEMISTRY.	ANALYTICAL GEOMETRY.
1 Patterson. 2 { Stocking. Harkness. 4 Tremaine. 5 Elliott. 6 { Blackwood. Brodie. 8 Brown, L. L. 9 Hull. 10 Brebner. 11 McKay. 12 Meadows. 13 { McKinnon. Hewett. 15 { Brown, R. M. Hudspeth. 17 Murray. 18 Tye. 19 { Armstrong. Guernsey. Johnson. 22 Clark. 23 Wood. 24 Blachford. 25 Campbell. 26 Poussett. 27 Smith.	1 McKinnon. 2 Meadows. 3 Patterson. 4 Harkness. 5 { Guernsey. Hull. 7 Brown, R. M. 8 Armstrong. 9 Brodie. 10 { Smith. Wood. 12 Elliott. 13 McKay. 14 { Johnson. Hudspeth. 16 Gray. 17 { Stocking. Campbell. 19 Brown, L. L. 20 { Tye. Tremaine. 22 Murray. 23 Hewitt. 24 Poussett. 25 Blachford. 26 { Blackwood. Brebner.	1 Meadows. 2 Elliott. 3 Brodie. 4 Armstrong. 5 { McKinnon. Stocking. 7 Tremaine. 8 Hudspeth. 9 Blackwood. 10 { Patterson. Brown, L. L. 12 Guernsey. 13 Brebner. 14 Harkness. 15 Gray. 16 McKay. 17 Hull. 18 Johnson. 19 Hewett. 20 Tye. 21 Brown, R. M. 22 { Poussett. Wood. Blachford. 25 { Campbell. Clark.
Gray.	Clark.	Murray. Smith.

I. YEAR

EUCLID.	ALGEBRA.	TRIGONOMETRY.
1 Brodie. 2 { Brebner. Meadows. 4 Campbell. 5 Hull. 6 { Brown, L. L. Tremaine. Armstrong. Harkness. 10 Hudspeth. 11 Elliott. 12 McKay. 13 { Stocking. Guernsey. 15 McKinnon. 16 { Gray. Patterson. 18 Johnson. 19 { Poussett. Blackwood. 21 Clark. 22 Murray. 23 Blachford. 24 { Smith. Wood. Tye. 27 Hewett. 28 Brown, R. M.	1 Meadows. 2 Brebner. 3 Hudspeth. 4 Armstrong. 5 Elliott. 6 Brodie. 7 { McKinnon. Tremaine. 9 Guernsey. 10 { Brown, L. L. McKay. 12 Harkness. 13 Stocking. 14 Patterson. 15 { Brown, R. M. Hull. 16 { Campbell. Smith. 19 Gray. 20 Blackwood. 21 Hewett. 22 { Clark. Murray.	1 Meadows. 2 Brebner. 3 McKay. 4 Hudspeth. 5 Guernsey. 6 Tremaine. 7 Harkness. 8 Brodie. 9 { Blackwood. Elliott. 11 { Brown, L. L. Patterson. 13 { Armstrong. McKinnon. 15 Hull. 16 Gray. 17 Stocking. 18 Tye. 19 Campbell. 20 Wood. 21 Poussett. 22 Johnson. 23 Blachford. 24 Brown, R. M. 25 Clark. 26 { Murray. Smith.
	Blachford. Johnson. Poussett. Tye. Wood.	Hewett.

I. YEAR.

EXPERIMENTAL PHYSICS.	ELECTRICITY, S. P. S.	ELECTRICITY AND MAGNETISM.
1 { Blachford. Blackwood. Brebner. Brodie. Brown, L. L. Hewett. Hudspeth. Patterson. Stocking. Wood. Brown, R. M. Elliott. Gray. 11 { Hull. McKay. McKinnon. Tremaine.	1 Stocking. 2 McKinnon. 3 Blackwood. 4 Hudspeth. 5 Tremaine. 6 Brown, L. L. 7 Brodie. 8 Patterson. 9 Wood. 10 Elliott. 11 Brebner. 12 Hull. 13 Hewett.	1 Wood. 2 Hudspeth. 3 { McKinnon. Tremaine. Brebner. 5 { Brodie. McKay. 8 Blackwood. 9 Stocking. 10 { Blachford. Elliott. 12 Brown, L. L. 13 Patterson. 14 { Gray. Hull. 16 { Brown, R. M. Hewett.
	Blachford. Brown, R. M. Gray. McKay.	Boyd, D. G.

I. YEAR.

CONSTRUCTION NOTES.	HISTORY OF ARCHITECTURE.	
1 Blachford. 2 { Hewett. McKay. 4 { Blackwood. Brown, L. L. 6 { Wood. Brown, R. M. 8 { Hudspeth. Stocking. 10 { Brebner. Gray. 12 { Brodie. Elliott. 14 McKinnon. 15 Tremaine. 16 Patterson. 17 Hull.	1 Harkness. 2 Murray. 3 Campbell. 4 Clark.	

II. YEAR.

DRAWING.	CONSTRUCTION NOTES.	THESIS.
1 Jones, J. E.	1 Minty.	1 Angus.
2 Ewart, J. A.	2 Beauregard.	2 { Chalmers.
3 Johnston, A. C.	3 { Ewart	2 { Minty.
4 Johnson, S. M.	3 { Angus.	4 Ewart.
5 Chalmers, J.	5 Chalmers.	5 Spotton.
6 Minty, W.	6 Spotton.	6 Beauregard.
7 McTaggart, A. L.	7 Lash.	7 Lash.
8 Bergey, A. E.	8 Herald.	8 Rolph.
9 Wright, R. T.	9 Nicholson.	9 Herald.
10 { Herald, W. J.	10 Hanly.	10 Johnson, S. M.
10 { Lash, N. M.	11 { Bergey.	11 Wright.
12 Hanly, J. B.	11 { Job.	12 Jones.
13 Nicholson, C. J.	11 { Rolph.	13 { Job.
13 { Angus, R. W.	14 { McTaggart.	13 { Hanly.
14 { Beauregard, A. T.	14 { Jones.	15 Nicholson.
14 { Bucke, W. A.	16 Boyd.	16 { Shields.
17 { Rolph, H.	17 Burton.	16 { Boyd.
17 { Job, H. E.	18 Johnston, A. C.	18 Bucke.
19 Spotton, A. K.	19 Fraser.	19 { McTaggart.
20 Boyd, D. G.	20 Johnson, S. M.	19 { Johnston, A. C.
21 Shields, J. D.	21 Shields.	21 Burton.
22 Fraser, A. T.	22 Bucke.	22 Bergey.
23 Burton, T.		23 Fraser.
	Wright.	

II. YEAR.

SPHERICAL TRIGONOMETRY.	RIGID DYNAMICS.	STRENGTH OF MATERIALS.
1 Angus. 2 Boyd. 3 { Spotton. Fraser. Chalmers. 6 Burton. 7 { Bergey. Job. Lash. 10 Johnston, A. C. 11 { Johnson, S. M. Bucke. Wright. 14 Minty. 15 Rolph. 16 Nicholson. 17 Beauregard. 18 McTaggart. 19 { Shields. Herald. 21 Hanly.	1 Job. 2 Angus. 3 Shields. 4 { Beauregard. Wright. Chalmers. 7 Burton. 8 Lash. 9 { Bucke. Rolph. Spotton. 12 Bergey. 13 Johnston, A. C. 14 { Boyd. Herald. Nicholson. 17 Minty. 18 { McTaggart. Jones. 20 Fraser. 21 Johnson, S. M. 22 Hanly.	1 Angus. 2 Bergey. 3 Boyd. 4 Wright. 5 Beauregard. 6 { Nicholson. Minty. 8 Job. 9 Shields. 10 Spotton. 11 { Bucke. Johnston, A. C. McTaggart. 14 Chalmers. 15 Lash. 16 { Ewart. Burton. Rolph.
Jones.		Fraser. Johnson, S. M. Jones. Herald. Hanly.

II YEAR.

DESCRIPTIVE GEOMETRY.	SURVEYING.	PRACTICAL CHEMISTRY.
1 Bergey. 2 Angus. 3 Job. 4 Spotton. 5 Minty. 6 { Bucke. Herald. Wright. 9 Beauregard. 10 Ewart. 11 Chalmers. 12 Burton. 13 { Hanly. Jones. McTaggart. 16 Shields. 17 Johnston, A. C. 18 Rolph. 19 Johnson, S. M. 20 Nicholson. 21 { Boyd. Lash.	1 Bergey. 2 McTaggart. 3 Jones. 4 Chalmers. 5 Burton. 6 Johnson, S. M. 7 Shields. 8 Rolph. 9 { Ewart. Fraser.	1 Fraser. 2 { Johnson, S. M. Johnston, A. C. { Jones. 4 { Boyd. Lash. 7 { Beauregard. Bucke. { Ewart. 9 { Burton. Rolph. Angus. 13 { Shields. Minty. 15 { Chalmers. Job. { Bergey. 17 { Herald. Spotton. 20 { Nicholson. Wright. 22 Hanly. 23 McTaggart.
Fraser.		

II. YEAR.

APPLIED CHEMISTRY.	MINERALOGY & GEOLOGY.	PRACTICAL MINERALOGY.
1 Job. 2 Lash. 3 Beauregard. 4 { Bergey. Johnson, S. M. Angus. 7 Minty. 8 Ewart. 9 Jones. 10 Wright. 11 Chalmers. 12 Herald. 13 Bucke. 14 Burton. 15 Nicholson. 16 Spotton. 17 { Hanly. Johnston, A. C. 19 McTaggart. 20 Shields. 21 { Fraser. Rolph.	1 Ewart. 2 Chalmers. 3 Shields. 4 Johnson, S. M. 5 Bergey. 6 McTaggart. 7 Fraser. 8 Jones. 9 Rolph.	1 Shields. 2 Chalmers. 3 Jones. 4 Fraser. 5 Johnson, S. M. 6 Rolph. 7 Burton. 8 McTaggart. 9 Bergey.
Boyd.	Burton.	

II YEAR.

CALCULUS.	OPTICS.	HYDROSTATICS.
1 Angus.	1 Angus.	1 Spotton.
2 Bergy.	2 Nicholson.	2 Angus.
3 Bucke.	3 { Job.	3 Minty.
4 Boyd.	3 { Rolph.	4 { Beauregard.
5 { Ewart.	5 Johnston, A. C.	4 { Johnston, A. C.
5 { Shields.	5 Johnson, S. M.	6 { Bergey.
7 { Rolph.	7 Minty.	6 { Wright.
7 { Lash.	8 { Chalmers.	8 Job.
9 Job.	8 { Bucke.	9 Fraser.
10 Burton.	10 Wright.	10 Chalmers.
11 { Beauregard.	11 { Bergey.	11 Lash.
11 { Nicholson.	11 { Burton.	12 Johnson, S. M.
11 { Spotton.	11 { Herald.	13 { Jones.
14 Minty.	14 Spotton.	13 { Nicholson.
15 Herald.	15 Lash.	15 Bucke.
16 Chalmers.	16 Beauregard.	16 Rolph.
17 Wright.	17 Shields.	17 Burton.
18 McTaggart.	18 Boyd.	18 Herald.
19 { Fraser.	19 McTaggart.	19 { McTaggart.
19 { Jones.	20 Ewart.	19 { Boyd.
	21 Jones.	21 Ewart.
	22 Fraser.	22 Hanly.
	23 Hanly.	23 Shields.
Hanly. Johnston, A. C. Johnson, S. M.		

II. YEAR.

ASTRONOMY.	EXPERIMENTAL PHYSICS.	ELECTRICITY.
1 McTaggart. 2 Chalmers. 3 Jones. 4 Shields. 5 { Bergey. Rolph. 7 Fraser. 8 Johnson, S. M. 9 Burton.	{ Ewart. Bergey. Chalmers. Johnson, S. M. Jones. Shields. Angus. 1 { Beauregard. Bucke. Herald. Job. Johnston, A. C. Minty. Nicholson. Spotton. Wright. { Burton. Fraser. Hanly. 17 { McTaggart. Rolph. Boyd. Lash.	1 Job. 2 { Angus. Nicholson. 4 Bucke. 5 Minty. 6 Wright. 7 Spotton. 8 Johnston, A. C. 9 Herald. 10 Boyd. 11 Hanly. 12 Lash.
		Beauregard.

II. YEAR.

THEORY OF MECHANISM.	FIELD NOTES.	HISTORY OF ARCHITECTURE.
1 { Angus. Wright. 3 { Beauregard. Minty. Spotton. 6 Bucke. 7 Nicholson. 8 Herald. 9 { Boyd. Johnston, A. C. 11 Job. 12 Hanly. 13 Lash.	1 Jones. 2 Rolph. 3 { Chalmers. Johnson, S. M. 5 Fraser. 6 McTaggart. 7 Shields. 8 Ewart. 9 Burton. 10 Bergey.	1 Ewart.

II. YEAR.

HISTORY OF ORNAMENT.	ORDERS OF ARCHITECTURE.	
1 Ewart.	1 Ewart.	

Chalmers, passed supplemental in Euclid.

Johnson, S. M., passed supplemental in Euclid.

Herald, passed supplemental in Algebra and Electricity.

Burton, passed supplemental in Field Notes and Statics.

Nicholson, passed supplemental in Magnetism and Electricity.

III. YEAR.

DRAWING.	CONSTRUCTION NOTES.	THESIS.
1 Francis, W. J.	1 Francis.	1 { Watson.
2 Watson, R. B.	2 { Keele.	1 { Francis.
3 Ballantyne, H. F.	2 { Watson.	3 Brown.
4 Keele, J.	2 { Robertson.	4 { Robertson.
5 Fingland, W.	5 Charlesworth.	4 { Ballantyne.
6 Charlesworth, L. C.	6 Marani.	4 { McPherson.
7 Brown, G. L.	7 { Ballantyne.	7 { Charlesworth.
8 McPherson, A. J.	7 { McPherson.	7 { Dunn.
9 { Dunn, T. H.	9 Dunn.	9 Fingland.
9 { Forester, C.	10 Speller.	10 Speller.
11 Speller, F. N.	11 { Macallum.	11 { Main.
12 McAllister, A. L.	11 { Taylor.	11 { Marani.
13 Fairbairn, J. M.	13 { Lash.	13 Goldie.
14 { Main, W. T.	13 { Mines.	14 Keele.
14 { Mines, W.	15 { Goldie.	15 Forester.
16 Robertson, J. M.	15 { Forester.	16 { Hanly.
17 Taylor, W. V.	17 Hanly.	16 { Lash.
18 Marani, V. G.	18 Main.	18 Squire.
19 Squire, R. H.	19 { Fingland.	19 McFarlen.
20 Macallum, A. F.	19 { Fairbairn.	20 Macallum.
21 { Go die, A. R.	19 { McFarlen.	21 McAllister.
21 { Laidlaw, J. T.	22 Brown.	22 Laidlaw.
21 { Russell, R.	23 { McAllister.	23 { Taylor.
24 McFarlen, T. J.	23 { Squire.	23 { Russel.
25 Hanly, S. C.	25 { Russel.	25 { Fairbairn.
26 Lash, F. L.	25 { Laidlaw.	25 { Mines.

III. YEAR.

DESCRIPTIVE GEOMETRY.	THEORY OF COMPOUND STRESS.	APPLIED CHEMISTRY.
1 Ballantyne.	1 McPherson.	1 Goldie.
2 Watson.	2 Keele.	2 Laidlaw.
3 Francis.	3 { Goldie.	3 Watson.
4 McPherson.	3 { Speller.	4 { Fingland.
5 Keele.	5 { Robertson.	4 { Keele.
6 Goldie.	5 { Ballantyne.	4 { Speller.
7 Taylor.	7 { Francis.	7 Dunn.
8 Robertson.	7 { Taylor.	8 Charlesworth.
9 Dunn.	7 { Watson.	9 Ballantyne.
10 { Fingland.	10 Mines.	10 Francis.
10 { Charlesworth.	11 Forester.	11 McPherson.
10 { Speller.	12 { Charlesworth.	12 Mines.
10 { Squire.	12 { Main.	13 Taylor.
14 Fairbairn.	14 Fingland.	14 Squire.
15 Russel.	15 McAllister.	15 Main.
16 McAllister.	16 { Marani.	16 Robertson.
17 Marani.	16 { Squire.	17 Brown.
18 { Forester.	18 Dunn.	18 { Lash.
18 { Macallum.	19 { Lash.	18 { Marani.
18 { Mines.	19 { Russel.	20 Fairbairn.
21 Main.	21 McFarlen.	21 McFarlen.
22 Lash.	22 Laidlaw.	22 Forester.
23 McFarlen.	23 Brown.	23 Hanly.
24 Hanly.	24 Macallum.	24 McAllister.
25 Laidlaw.	25 Hanly.	25 Macallum.
26 Brown.	26 Fairbairn.	26 Russel.

III. YEAR.

MINERALOGY AND GEOLOGY	PRACTICAL MINERALOGY.	SURVEYING AND LEVELLING.
1 Charlesworth. 2 Keele. 3 Francis. 4 Laidlaw. 5 McPherson. 6 Speller. 7 { Balianntyne. { Watson. 9 Taylor. 10 Macallum. 11 Main. 12 { McFarlen. { McAllister. 14 { Dunn. { Squire. 16 Mines. 17 Forester. 18 Fairbairn. 19 Fingland. 20 Brown. 21 Russel. 22 Marani.	1 Charlesworth. 2 { Watson. { Francis. { Forester. 5 Brown. 6 Dunn. 7 Main. 8 McFarlen. 9 Mines. 10 Speller. 11 Squire. 12 Laidlaw. 13 { Russel. { Taylor. 15 { McPherson. { McAllister. 17 Macallum. 18 Fairbairn. 19 Marani.	1 { McPherson. { Speller. { Watson. 4 Taylor. 5 Forester. 6 { Francis. { Russel. { Dunn. { Brown. 8 { Charlesworth. { Squire. 12 Mines. 13 { Main. { Marani. 15 McFarlen. 16 Laidlaw. 17 Fairbairn. 18 Macallum. 19 McAllister.

III. YEAR.

THEORY OF CONSTRUCTION.	THERMODYNAMICS.	HYDRAULICS.
1 Ballantyne.	1 Goldie.	1 Watson.
2 Watson.	2 McPherson.	2 McPherson.
3 { McPherson	3 Speller.	3 Speller.
3 { Keele.	4 Charlesworth.	4 { Mines.
5 Charlesworth.	5 Watson.	4 { Charlesworth.
6 Francis.	6 Main.	6 Goldie.
7 Taylor.	7 Francis.	7 Francis.
8 Speller.	8 Squire.	8 Robertson.
9 Fingland.	9 Laidlaw.	9 Ballantyne.
10 Brown.	10 Dunn.	10 Hanly.
11 Marani.	11 { Taylor.	11 Lash.
12 Forester.	11 { Mines.	12 { Fingland.
13 Macallum.	13 McFarlen.	12 { Fairbairn.
14 Mines.	14 Robertson.	12 { Forester.
15 Fairbairn.	15 Hanley.	12 { Russel.
16 Dunn.	16 { Forester.	16 Taylor.
17 Squire.	16 { Brown.	16 { McAllister.
18 Russel.	18 Marani.	17 { Marani,
19 McAllister.	19 Fairbairn.	19 { Keele.
20 Main.	20 Russel.	19 { Dunn.
21 McFarlen.	21 Lash.	21 Main.
22 Laidlaw.	22 Macallum.	22 Squire.
	23 McAllister.	23 { Laidlaw.
		23 { McFarlen.
		25 { Brown.
		25 { Macallum.

III. YEAR.

PRACTICAL ASTRONOMY.	METHOD OF LEAST SQUARES.	FIELD NOTES.
1 McPherson.		1 Forester.
2 Watson.		2 Francis.
3 Speller.	1 { Ballantyne.	3 Dunn.
4 Charlesworth.	1 { McPherson.	4 Charlesworth.
5 Mines.	4 Goldie.	5 { Brown.
6 Taylor.	5 Keele.	5 { Main.
7 { Forester.	6 Speller.	7 { Fairbairn.
7 { Francis.	7 Forester.	7 { Macallum.
9 { McAllister.	8 Laidlaw.	7 { Watson.
9 { Marani.	9 Robertson.	10 { McPherson.
11 Macallum.	10 Francis.	10 { McAllister.
12 { Dunn.	11 { Dunn.	10 { Russel.
12 { Fairbairn.	11 { Taylor.	13 { Laidlaw.
14 { Russel.	13 { Marani.	13 { Taylor.
14 { Squire.	13 { Mines.	15 Marani.
16 Main.	15 { Charlesworth.	16 { McFarlen.
17 { Brown.	15 { McFarlen.	16 { Speller.
17 { McFarlen.	15 { Russel.	18 Squire.
19 Laidlaw.	18 { Lash.	19 Mines.
	18 { McAllister.	
	20 Main.	
	21 { Macallum.	
	21 { Squire.	
	23 { Fingland.	
	23 { Fairbairn.	
	25 Brown.	
	26 Hanly.	

III. YEAR.

METALLURGY.	EXPERIMENTAL PHYSICS.	MACHINE DESIGN.
1 Laidlaw.	(Goldie.	1 Goldie.
2 McPherson.	Hanly.	2 Robertson.
3 Forester.	Lash.	3 Hanly.
4 Squire.	Robertson.	4 Lash.
5 Dunn.	Ballantyne.	
6 Speller.	Fingland.	
7 McFarlen.	Keele.	
8 Mines.	Brown.	
	Charlesworth.	
	Dunn.	
	Fairbairn.	
	Forester.	
	1 { Francis.	
	Laidlaw.	
	McFarlen.	
	McPherson.	
	Macallum.	
	Main.	
	Marani.	
	Mines.	
	Russel.	
	Speller.	
	Squire.	
	Taylor.	
	Watson.	
	26 McAllister.	

III. YEAR.

MECHANICS OF MACHINERY.	MAGNETISM AND ELECTRICITY.	HISTORY OF ARCHITECTURE.
1 Goldie.	1 Goldie.	1 Keele.
2 Robertson.	2 Robertson.	2 Ballantyne.
3 Lash.	3 Lash.	3 Fingland.
4 Hanly.	4 Hanly.	

III. YEAR.

HISTORY OF ORNAMENT.	HEATING, VENTILATION AND SANITARY SCIENCE.
1 Keele.	1 Fingland.
2 Ballantyne.	2 Keele.
3 Fingland.	3 Ballantyne.

Hanly, S. C., passed supplemental in Strength of Materials and Spherical Trigonometry.

Fairbairn	passed supplemental in	Strength of Materials and Calculus.
McAllister	" "	Strength of Materials and Astronomy.
McCallum	" "	Strength of Materials and Rigid Dynamics.
Robertson, J. M.	" "	Optics.
Brown	" "	Optics and Calculus.
Francis	" "	Optics.
Fingland	" "	Descriptive Geometry.
McFarlen	" "	Descriptive Geometry and Mineralogy and Geology.
Charlesworth	" "	Rigid Dynamics.
Forester	" "	Astronomy.
Taylor	" "	Astronomy.
Marani	" "	Chemistry and Applied Chemistry.

FOURTH OR POST-GRADUATE YEAR.

UNIVERSITY OF TORONTO.

Degree of Bachelor of Applied Science.

LEAST SQUARES.	STRENGTH AND ELASTICITY OF MATERIALS.	MINERALOGY AND GEOLOGY.
<i>Honors.</i>	<i>Pass.</i>	<i>Pass.</i>
Wright, C. H. C.	Allison, T. H.	McAree, J.

HYDRAULICS.	THERMODYNAMICS AND HEAT ENGINES.	METALLURGY AND ASSAYING.
<i>Honors.</i>	<i>Honors.</i>	<i>Honors.</i>
Laschinger, E. J.	Laschinger.	McAree, J.
<i>Pass.</i>	<i>Pass.</i>	
Alison.	Laing.	
Laing, A. T.	Lea.	
McEntee, B.	Milne.	
Thomson, R. W.	Thomson.	
Wright, C. H. C.		

APPLIED ELECTRICITY.	INDUSTRIAL CHEMISTRY.	SANITARY AND FORENSIC CHEMISTRY.
<i>Honors.</i>	<i>Honors.</i>	<i>Honors.</i>
Lea.	Lawson, W.	Lawson.
Milne.	<i>Pass.</i>	
	James, O. S.	

FOURTH OR POST-GRADUATE YEAR.

UNIVERSITY OF TORONTO.

Degree of Bachelor of Applied Science.

ORGANIC AND INORGANIC CHEMISTRY.	THESIS.
<i>Pass.</i>	<i>Honors.</i>
James.	Lawson. Lee. McAree. Milne. Wright.
	<i>Pass.</i>
	Alison. James. Laing. Laschinger. McEntee. Thomson.

DEGREE OF B. A. SC. WITH HONORS.

Laschinger, J.
Lawson, W.
Wright, C. H. C.

UNIVERSITY OF TORONTO.

DEGREE OF C. E.

Bowman, F. M.
Innes, W. L.

